

FUEL SYSTEM

PRECAUTION

1. BEFORE WORKING ON FUEL SYSTEM

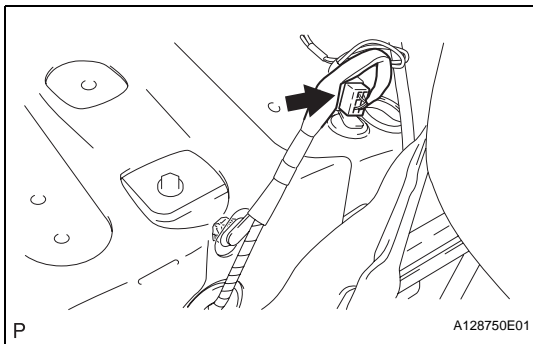
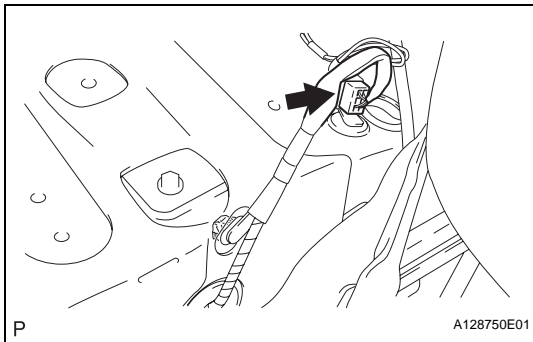
- (a) Do not work near an open flame.
- (b) Keep gasoline away from rubber and leather parts.
- (c) Discharge the fuel pressure before disconnecting the fuel line to prevent gasoline from spilling out. Refer to the following procedure.

2. DISCHARGE FUEL PRESSURE

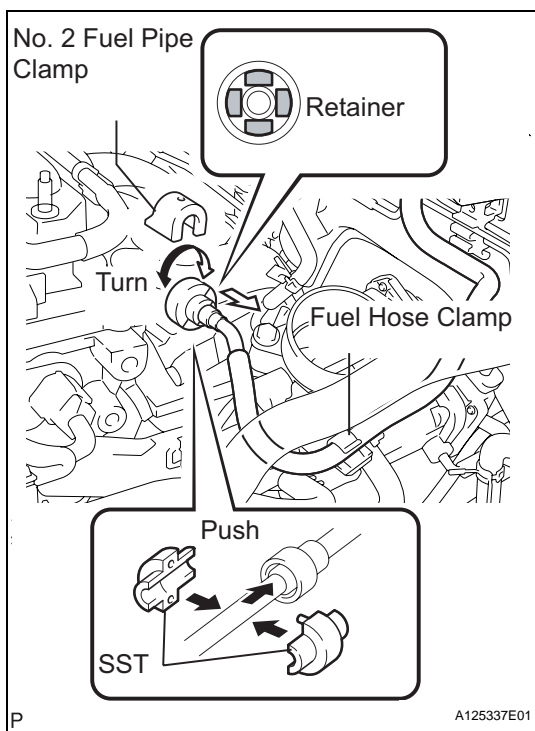
CAUTION:

- **DISCHARGE FUEL SYSTEM PRESSURE** procedures must be performed before disconnecting any part of the fuel system.
- After performing the **DISCHARGE FUEL SYSTEM PRESSURE** procedures, pressure will remain in the fuel line. When disconnecting the fuel line, place a cloth or equivalent over fittings to reduce the risk of fuel spray.

- (a) Remove the console box (see page [IR-83](#)).
- (b) Disconnect the connector.
- (c) Start the engine. After the engine has stopped, turn the ignition switch off.
HINT:
DTC P0171 (system too lean) may be set.
- (d) Check that the engine does not start.
- (e) Remove the fuel tank cap, and let the air out of the fuel tank.



- (f) Connect the connector.
- (g) Install the console box (see page [IR-90](#)).

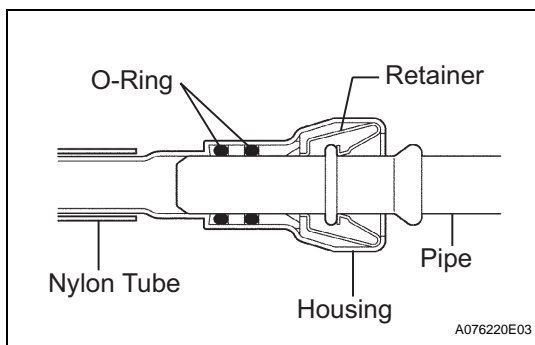


3. DISCONNECT FUEL MAIN TUBE

NOTICE:

Do not forcibly bend and twist the fuel main tube.

- Remove the fuel tube from the fuel hose clamp.
- Remove the fuel pipe clamp.
- Wipe off dirt on the fuel tube connector.
- Hold the fuel tube connector, and then install SST. **SST 09268-21010**
- Turn SST to align the retainer inside the fuel tube connector with the chamfered part of SST.
- Insert SST into the fuel tube and hold it. Then push the fuel tube connector toward SST side.
- Mount the retainer of the fuel tube connector onto the chamfered part of SST.



- Slide SST and fuel tube connector together towards the fuel tube until they make a click sound, and then disconnect the fuel tube.
- Drain the fuel remaining inside the fuel tube.
- Cover the fuel tube and fuel pipe with a plastic bag to protect the disconnected part.

4. CONNECT FUEL MAIN TUBE

- Connect the fuel main tube.
- Push the fuel tube connector until it makes a "click" sound.
- Install the fuel pipe clamp.
- Install the fuel tube to the fuel hose clamp.

5. DISCONNECT FUEL TUBE CONNECTOR

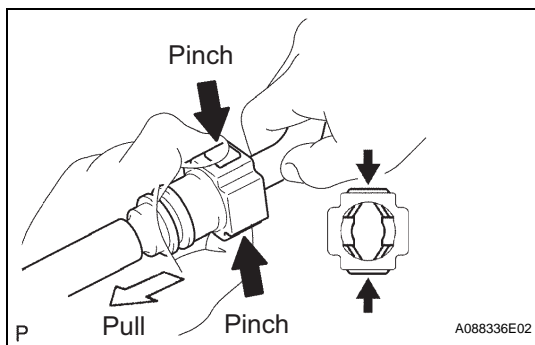
- Wipe off any dirt on the fuel tube connector.
- Pinch the fuel tube connector, and then disconnect the fuel tube. Do not use any tools.
- Drain the fuel remaining inside the fuel tube.
- Cover the fuel tube and fuel pipe with a plastic bag to protect the disconnected part.

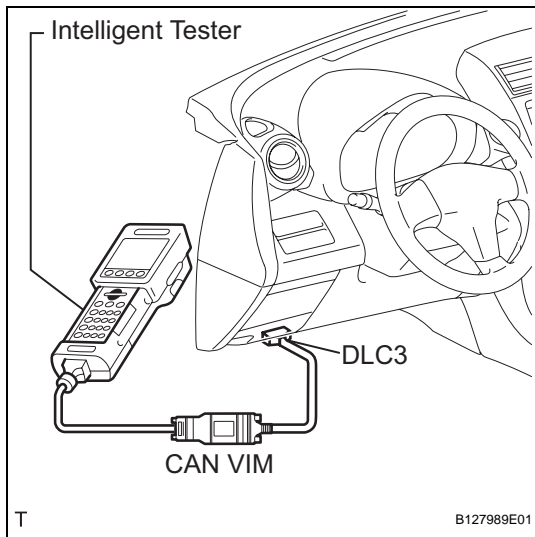
6. CONNECT FUEL TUBE CONNECTOR

- Connect the fuel tube connector to the fuel pipe.
- Push the fuel connector until it makes a click sound.

HINT:

If it is difficult to connect the fuel tube connector, apply a small amount of new engine oil on the tip of the pipe.





7. CHECK FOR FUEL LEAKS

- (a) Make sure that there are no fuel leaks after performing maintenance on the fuel system.
- (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch ON, and push the intelligent tester main switch ON.

NOTICE:

Do not start the engine.

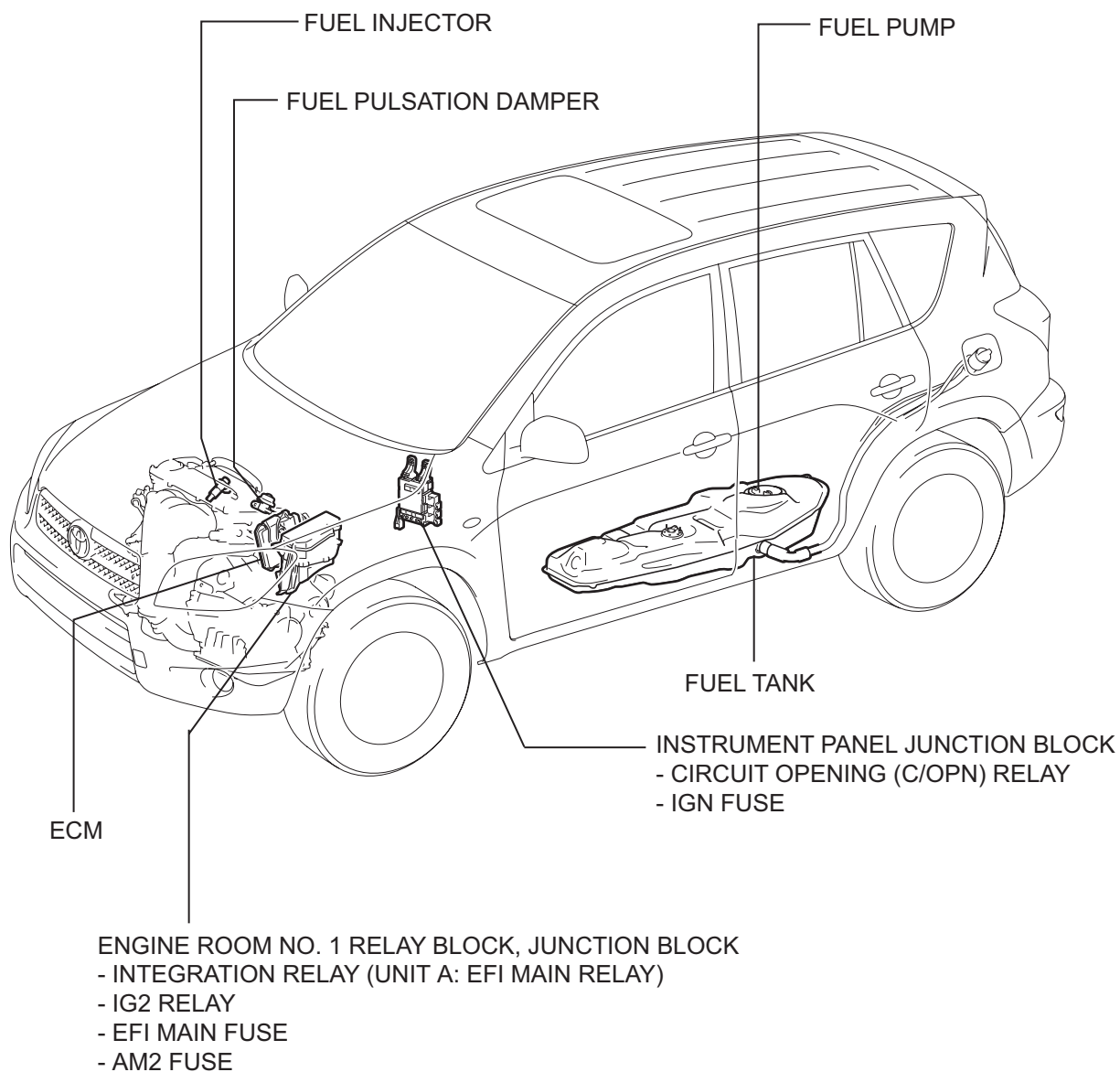
- (3) Select the Active Test mode on the intelligent tester.

HINT:

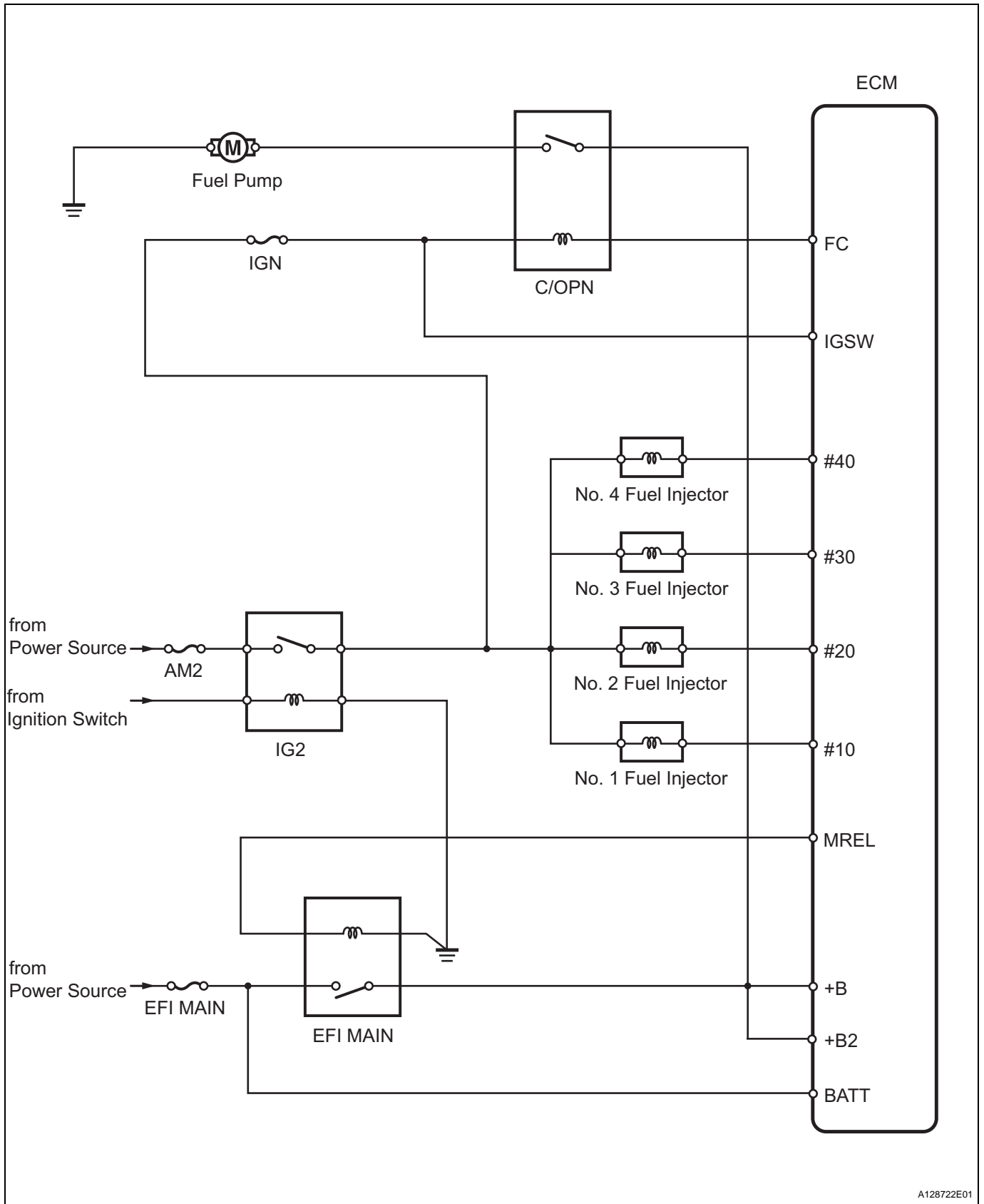
Refer to the intelligent tester operator's manual for further details.

- (4) Check that there are no leaks from the fuel system.
- (5) Turn the ignition switch OFF.
- (6) Disconnect the intelligent tester from the DLC3.

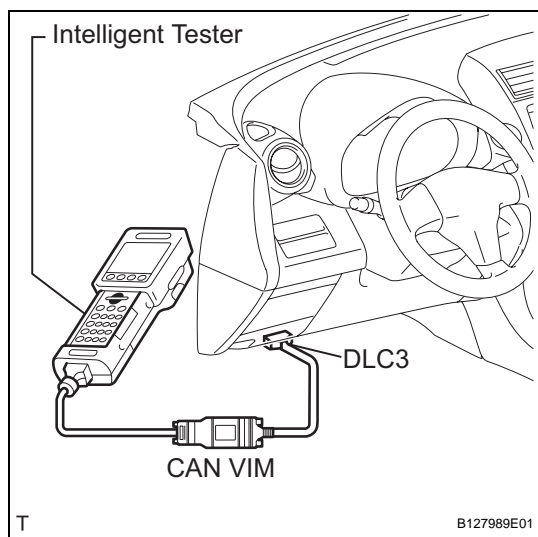
PARTS LOCATION



SYSTEM DIAGRAM



FU



ON-VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION

- Connect the intelligent tester to the DLC3.
- Turn the ignition switch ON. Do not start the engine.
- Select the following tester menus: DIAGNOSIS, ENHANCED OBD II, ACTIVE TEST and FUEL PUMP/SPD. Operate the fuel pump.
- Touch the fuel hose in the engine compartment to check the fuel flow, and you will be able to hear the sound of the fuel pump.
- Stop the fuel pump.
If there is no fuel flow, the fuel pump may not operate. Check the fuel pump circuit (see page [FU-33](#)).

2. CHECK FUEL PRESSURE

- Check that the battery positive voltage is above 12 V.
- Discharge the fuel system pressure (see page [FU-9](#)).
- Disconnect the cable from the negative (-) battery terminal.
- Disconnect the fuel main tube (see page [FU-10](#)).
- Install SST (pressure gauge) as shown in the illustration.

SST 09268-31011 (95336-08070, 90467-13001, 09268-41500), 09268-45014 (09268-41200, 09268-41220, 09268-41250)

- Wipe off any gasoline.
- Reconnect the cable to the negative (-) battery terminal.
- Start the engine.
- Measure the fuel pressure at idle.

Fuel pressure:

304 to 343 kPa (3.1 to 3.5 kgf/cm², 44 to 50 psi)

If the pressure is not as specified, check the fuel pump and injectors.

- After checking the fuel pressure, disconnect the cable from the negative (-) battery terminal and carefully remove SST and the fuel tube connector to prevent fuel from spilling.
- Reconnect the fuel main tube (see page [FU-14](#)).
- Check for fuel leaks (see page [FU-14](#)).

